

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: HELEN PIZZUTO Examiner #: 70018 Date: 8/10/04  
 Art Unit: 1713 Phone Number: 302-1108 Serial Number: 10/697 669  
 Mail Box and Bldg/Room Location: Rem-10A29 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: SEE ATTACHED

Inventors (please provide full names): ↓

Earliest Priority Filing Date: 10/29/03

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

A macromer shown in formula(1) made from a monomer-spacer conjugate shown in formula(5)(d.2) and a function aliformer (formula(3) attached) in the presence of a coupling agent (claim 6)  
 \* Search y = n-acetyl glucosamine (NAG) first, then other carbohydrates if have time.

KEY WORDS

carbohydrates / sugars (near) polymerization  
 biological / recognition, receptor, binding

THANKS!

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## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____



# **STIC Search Report**

REM 10A 27

**EIC 1700**

**STIC Database Tracking Number: 129521**

**TO: Helen Pezzuto**  
**Location: REM 10A27**  
**Art Unit : 1713**  
**August 16, 2004**

**Case Serial Number: 10/69<sup>7</sup>669**

**From: Kathleen Fuller**  
**Location: EIC 1700**  
**REMSSEN 4B28**  
**Phone: 571/272-2505**  
**Kathleen.Fuller@uspto.gov**

## **Search Notes**

=> FILE REG  
FILE 'REGISTRY' ENTERED AT 11:58:51 ON 16 AUG 2004  
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STRUCTURE FILE UPDATES: 15 AUG 2004 HIGHEST RN 727358-71-6  
DICTIONARY FILE UPDATES: 15 AUG 2004 HIGHEST RN 727358-71-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
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FILE COVERS 1907 - 16 Aug 2004 VOL 141 ISS 8  
FILE LAST UPDATED: 15 Aug 2004 (20040815/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

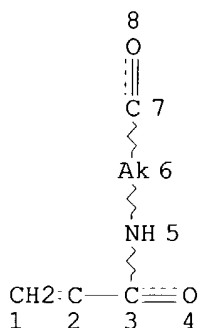
=> D QUE L56

L16	7	SEA FILE=REGISTRY ABB=ON FRUCTOFURANOSE/CN OR LACTOSE/CN OR ISOMALTOSE/CN OR MALTOSE/CN OR CELLOBIOSE/CN OR CELLULOSE/CN OR AMYLASE/CN
L18	222	SEA FILE=REGISTRY ABB=ON 3458-28-4/CRN OR 3615-39-2/CRN OR 5556-48-9/CRN OR 5962-29-8/CRN OR 7512-17-6/CRN OR 7535-00-4/CR N OR 9000-92-4/CRN
L19	6684	SEA FILE=REGISTRY ABB=ON 9004-34-6/CRN OR 16984-36-4/CRN OR 89400-31-7/CRN OR 31103-86-3/CRN OR 30237 R 26566-61-0/CRN OR 26566-61-0
L20	6702	SEA FILE=REGISTRY ABB=ON 17598-81-1/CRN OR 16984-36-4/CRN

KATHLEEN FULLER EIC 1700 REMSEN 4B28 571/272-2505

*component  
registry  
numbers  
for  
claim  
NAG etc*

L27

OR 9004-34-6/CRN  
STR

5,052 structures from  
query

## NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS M4 C AT 6

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 8

## STEREO ATTRIBUTES: NONE

L29 5052 SEA FILE=REGISTRY SSS FUL L27  
 L30 8 SEA FILE=REGISTRY ABB=ON L29 AND ((L18 OR L19 OR L20))  
 L31 4794 SEA FILE=HCAPLUS ABB=ON L29  
 L32 1831 SEA FILE=HCAPLUS ABB=ON L31(L) (PREP OR IMF OR SPN OR POF)/RL  
 L33 133545 SEA FILE=HCAPLUS ABB=ON L16  
 L34 15 SEA FILE=HCAPLUS ABB=ON L32 AND L33  
 L35 12 SEA FILE=HCAPLUS ABB=ON L30  
 L36 26 SEA FILE=HCAPLUS ABB=ON L34 OR L35  
 L37 279603 SEA FILE=HCAPLUS ABB=ON NAG OR ?GLUCOSAMINE? OR MANNOSE OR  
 GALACTOSE OR SIALIC ACID OR FRUCTOSE OR RIULOSE OR ERYTHROLOSE  
 OR XYLULOSE OR PSICOSE OR SORBOSE OR TAGATOSE OR GLUCOPYRANOSE  
 OR FRUCTOFURAN? OR DEOXYRIBOSE OR GALACTOSAMINE OR SUCROSE  
 L38 425009 SEA FILE=HCAPLUS ABB=ON RIBULOSE OR ERYTHROLOS? OR LACTOSE OR  
 ISOMALTOSE OR MALTOSE OR CELLOBIOSE OR CELLULOSE OR AMYLASE  
 L39 121 SEA FILE=HCAPLUS ABB=ON L32 AND (L37 OR L38)  
 L40 54 SEA FILE=HCAPLUS ABB=ON L39 AND (POLYMER? OR PLASTIC?)/SC,SX  
 L41 28 SEA FILE=HCAPLUS ABB=ON L32 AND MACROMER#  
 L42 2071 SEA FILE=HCAPLUS ABB=ON L31 AND (PREP OR IMF OR SPN OR  
 POF)/RL  
 L43 28 SEA FILE=HCAPLUS ABB=ON L42 AND MACROMER#  
 L44 0 SEA FILE=HCAPLUS ABB=ON L43 AND (L33 OR L37 OR L38)  
 L45 0 SEA FILE=HCAPLUS ABB=ON L40 AND L41  
 L48 501 SEA FILE=HCAPLUS ABB=ON L31(L) RCT/RL  
 L49 51 SEA FILE=HCAPLUS ABB=ON L48 AND (L33 OR L37 OR L38)  
 L50 0 SEA FILE=HCAPLUS ABB=ON L49 AND MACROMER#  
 L51 25 SEA FILE=HCAPLUS ABB=ON L49 AND (POLYMER? OR PLASTIC?)/SC,SX  
 L52 40 SEA FILE=HCAPLUS ABB=ON (L32 OR L48) AND CARBOHYDRATE?  
 L53 0 SEA FILE=HCAPLUS ABB=ON L52 AND MACROMER?  
 L54 12 SEA FILE=HCAPLUS ABB=ON L52 AND (POLYMER? OR PLASTIC?)/SC,SX  
 L55 17 SEA FILE=HCAPLUS ABB=ON L36 AND (POLYMER? OR PLASTIC?)/SC,SX  
 L56 47 SEA FILE=HCAPLUS ABB=ON L44 OR L45 OR L50 OR L51 OR L53 OR  
 L54 OR L55